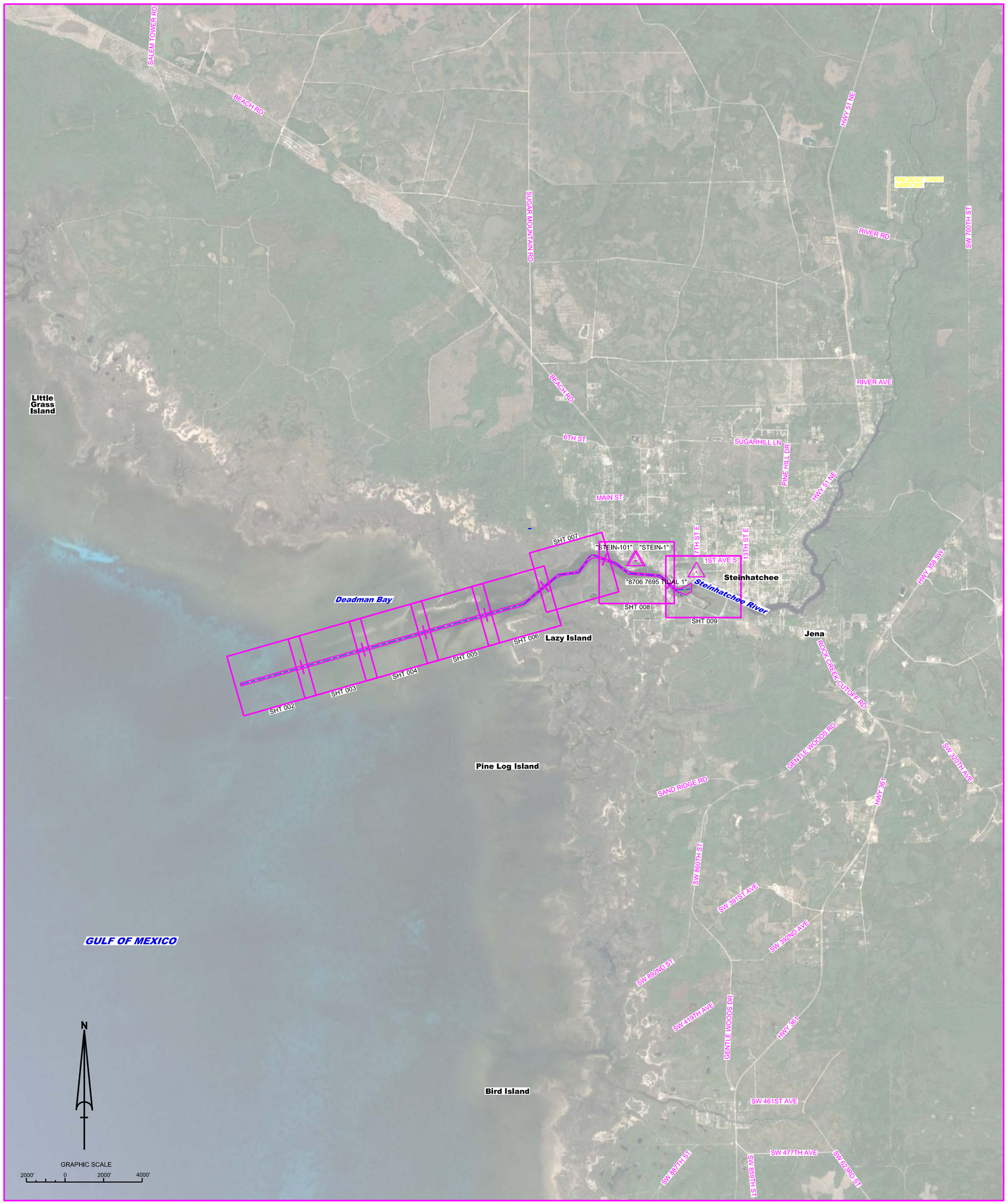
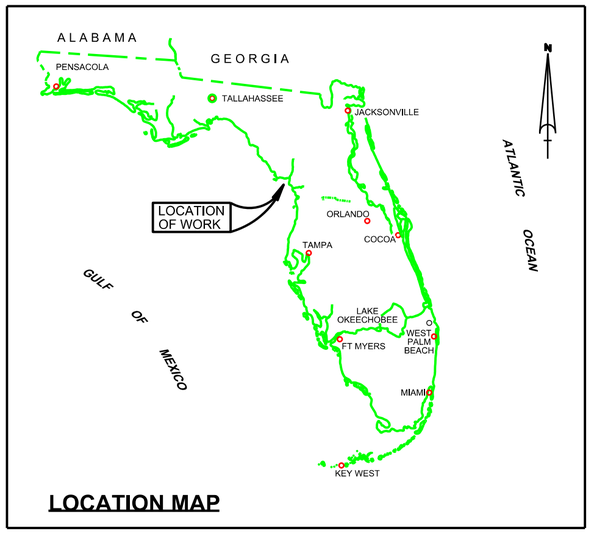




LOCATION MAP

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 23-172.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "SPC-FL-NORTH_20161026.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE LAMBERT CONFORMAL CONIC PROJECTION FOR THE NORTH ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "STEIN-101" FOR ENTIRE PROJECT (OPUS PID: BBFX83)

   TIDE CHECK WAS PERFORMED WITH LEVEL SHOT FROM "872 6795 B" (AT SEA HAG MARINA) TO SURFACE OF THE WATER AND APPROPRIATE ORTHOMETRIC HEIGHT CORRECTION OF (-) 0.2-FEET WAS PALCED INTO HYPACK GEODESY.
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872- 7695, STEINHATCHEE, FL

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835C SMART SOUNDER WITH A 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV WELLS	20-22 SEP 2023	ALL CUTS

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 2010.

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Drawn by: WRM
Cad by: GMR
Inv. No.
Dated: SEP 2023

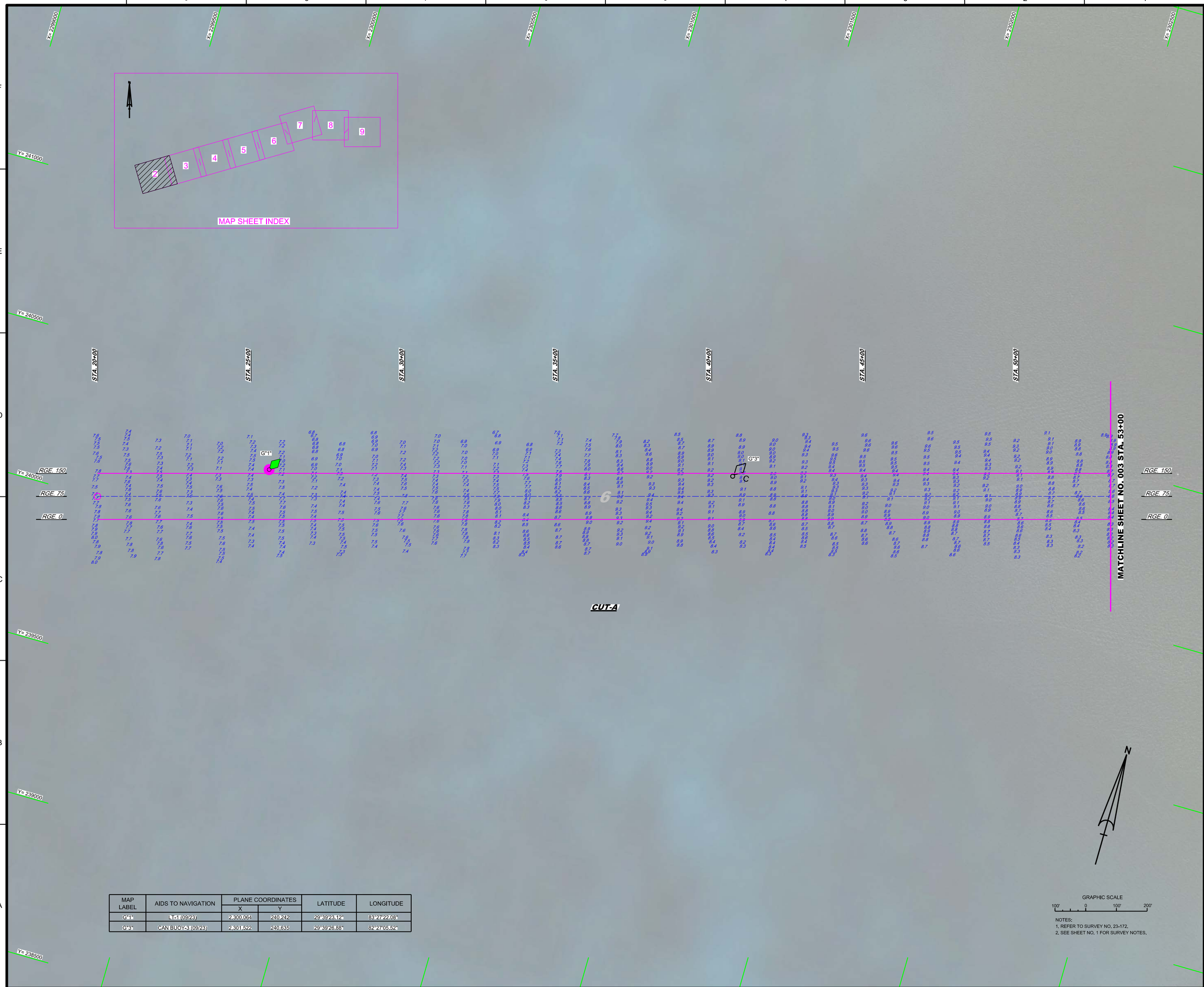
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
23-172-A-INDEX.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(90).DGN
Reference files:
22-172-H-001.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	LT-1 (09/23)	2,300,064	240,242	29°39'23.12"	83°27'22.08"
G"3"	CAN BUOY-3 (09/23)	2,301,522	240,635	29°39'26.88"	82°27'05.52"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
DWN by: VIRM
Chk'd by: CMR
Rev. No.
Date: SEP 2023

I:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
23-172-VAULT_ALCOVE.DGN
23-172-VSOUN_ALCOVE.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(90).DGN
23-172-CESENDR.DGN
Reference files:
23-172-VHO02.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 20+00 THRU STA. 53+00 CUT-A

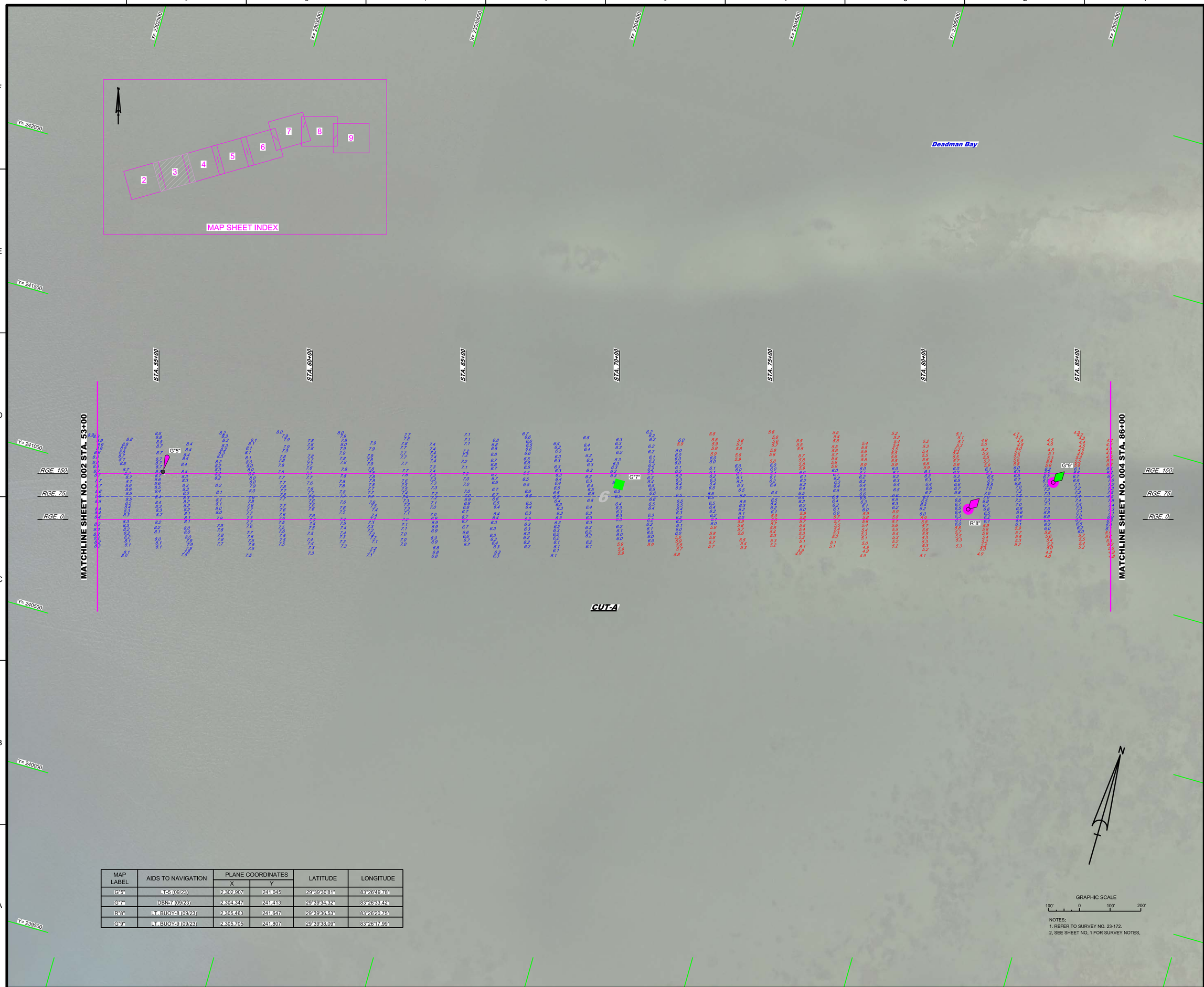
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	LT-5 (09/23)	2,302,907	241,045	29°39'30.81"	83°26'49.78"
G"7"	DBN-7 (09/23)	2,304,347	241,413	29°39'34.32"	83°26'33.42"
R"8"	LT. BUOY-8 (09/23)	2,305,463	241,647	29°39'36.53"	83°26'20.75"
G"9"	LT. BUOY-9 (09/23)	2,305,705	241,807	29°39'38.09"	83°26'17.99"

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Cad by: CMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: SEP 2023

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
23-172-XXXXXXXXXXXX
23-172-VSOUN_ALCUTS.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(90).DGN
23-172-CS-SHEIRDR.DGN
Reference files:

23-172-VH003.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 53+00 THRU STA. 86+00 CUT-A

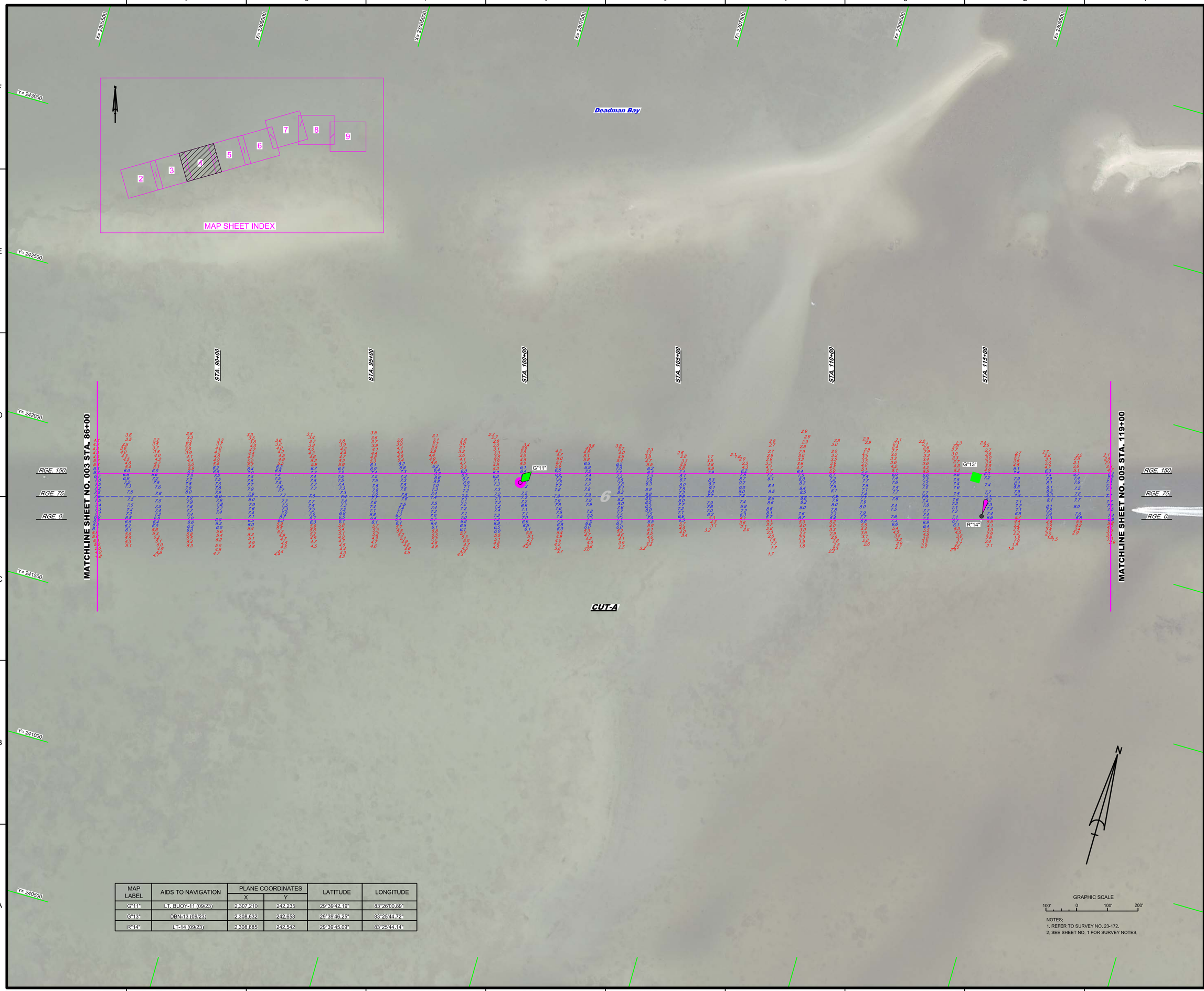
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11"	LT. BUOY-11 (09/23)	2,307,210	242,235	29°39'42.19"	83°26'00.89"
G"13"	DBN-13 (09/23)	2,308,632	242,658	29°39'46.25"	83°25'44.72"
R"14"	LT-14 (09/23)	2,308,685	242,542	29°39'45.09"	83°25'44.14"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: MRM
Dwn by: MRM
Ckd by: GMR
Proj. No.
Date: SEP 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-172A-SDUN_ALL.DGN
23-172A-SDUN_ALL CUTS.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(96).DGN
23-172C-BS-BRDR.DGN
Reference files
23-172C-HH08A.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 86+00 THRU STA. 119+00 CUT-A

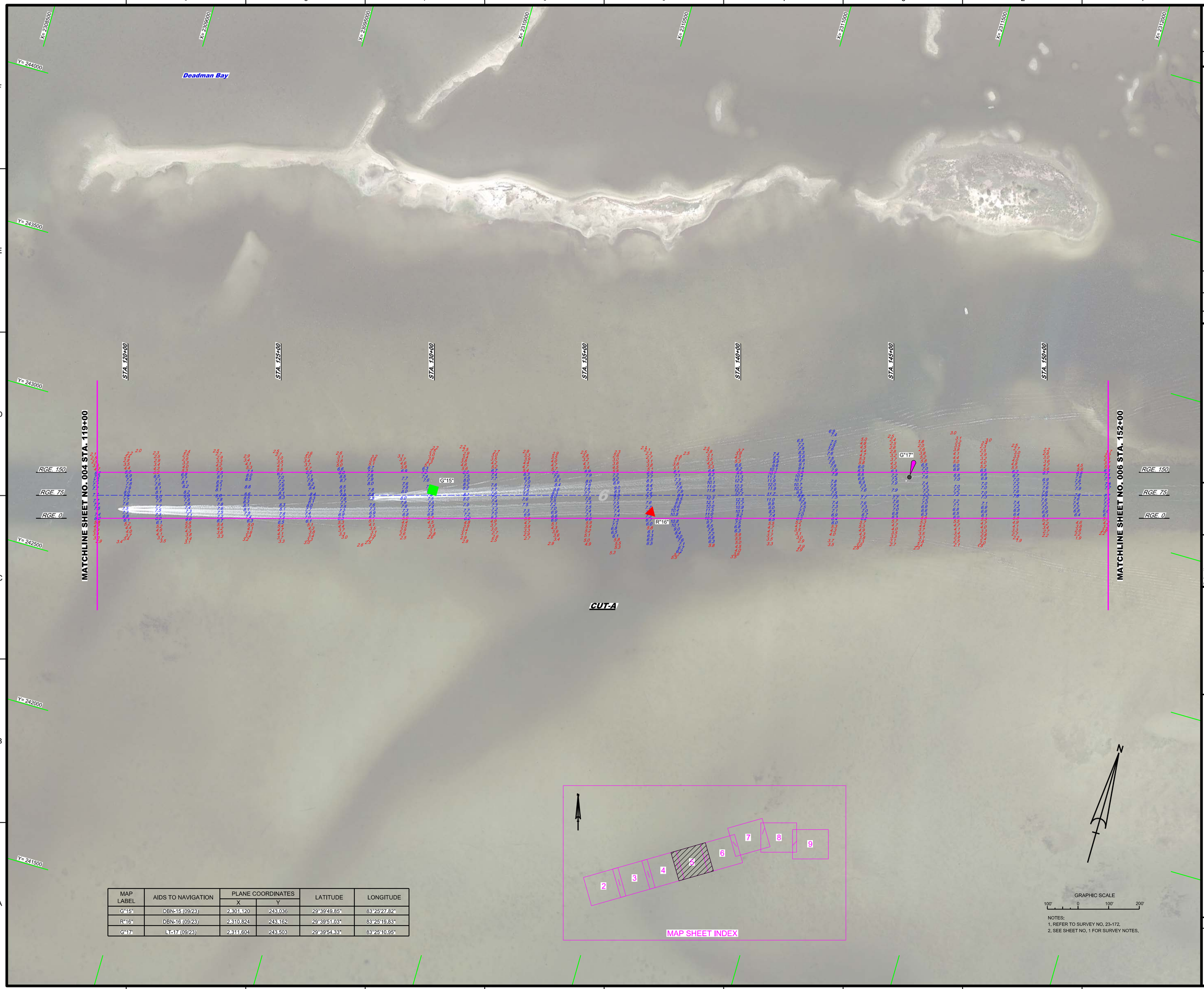
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"15"	DBN-15 (09/23)	2,301,120	243,036	29°39'49.85"	83°25'27.82"
R"16"	DBN-16 (09/23)	2,310,824	243,162	29°39'51.03"	83°25'19.83"
G"17"	LT-17 (09/23)	2,311,604	243,503	29°39'54.33"	83°25'10.95"

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: MRM
DWN by: MRM
Ckd by: GMR
Proj. No.
Date: SEP 2023

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
23-172A-SOUN_ALL.DGN
23-172AV-SOUN_ALL CUTS.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(96).DGN
23-172C-BR-BRDR.DGN
Reference files:

23-172-VHD05.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 119+00 THRU STA. 152+00 CUT-A

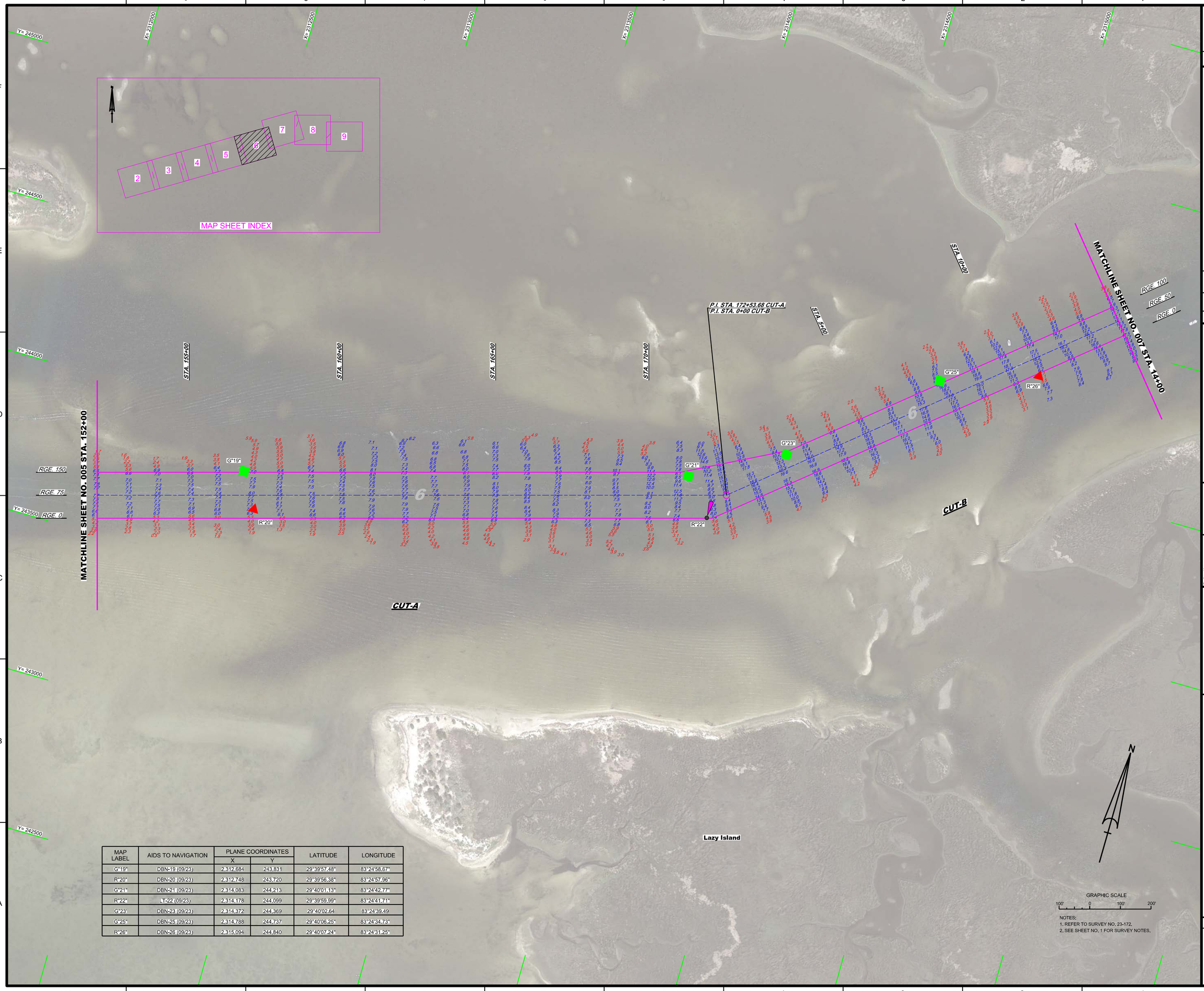
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"19"	DBN-19 (09/23)	2,312,684	243,831	29°39'57.48"	83°24'58.67"
R"20"	DBN-20 (09/23)	2,312,748	243,720	29°39'56.38"	83°24'57.96"
G"21"	DBN-21 (09/23)	2,314,083	244,213	29°40'01.13"	83°24'42.77"
R"22"	LT-22 (09/23)	2,314,178	244,099	29°39'59.99"	83°24'41.71"
G"23"	DBN-23 (09/23)	2,314,372	244,369	29°40'02.64	83°24'39.49
G"25"	DBN-25 (09/23)	2,314,788	244,737	29°40'06.25"	83°24'34.73"
R"26"	DBN-26 (09/23)	2,315,094	244,840	29°40'07.24"	83°24'31.25"

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
DWN by: WRM
Ckd by: GMR
Proj. No.
Date: SEP 2023

XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
23-172A-SDUN_ALLCUTS.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(96).DGN
23-172C-BR-BRDR.DGN
Reference files:
23-172-VHD06.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 152+00 CUT-A THRU STA. 14+00 CUT-B

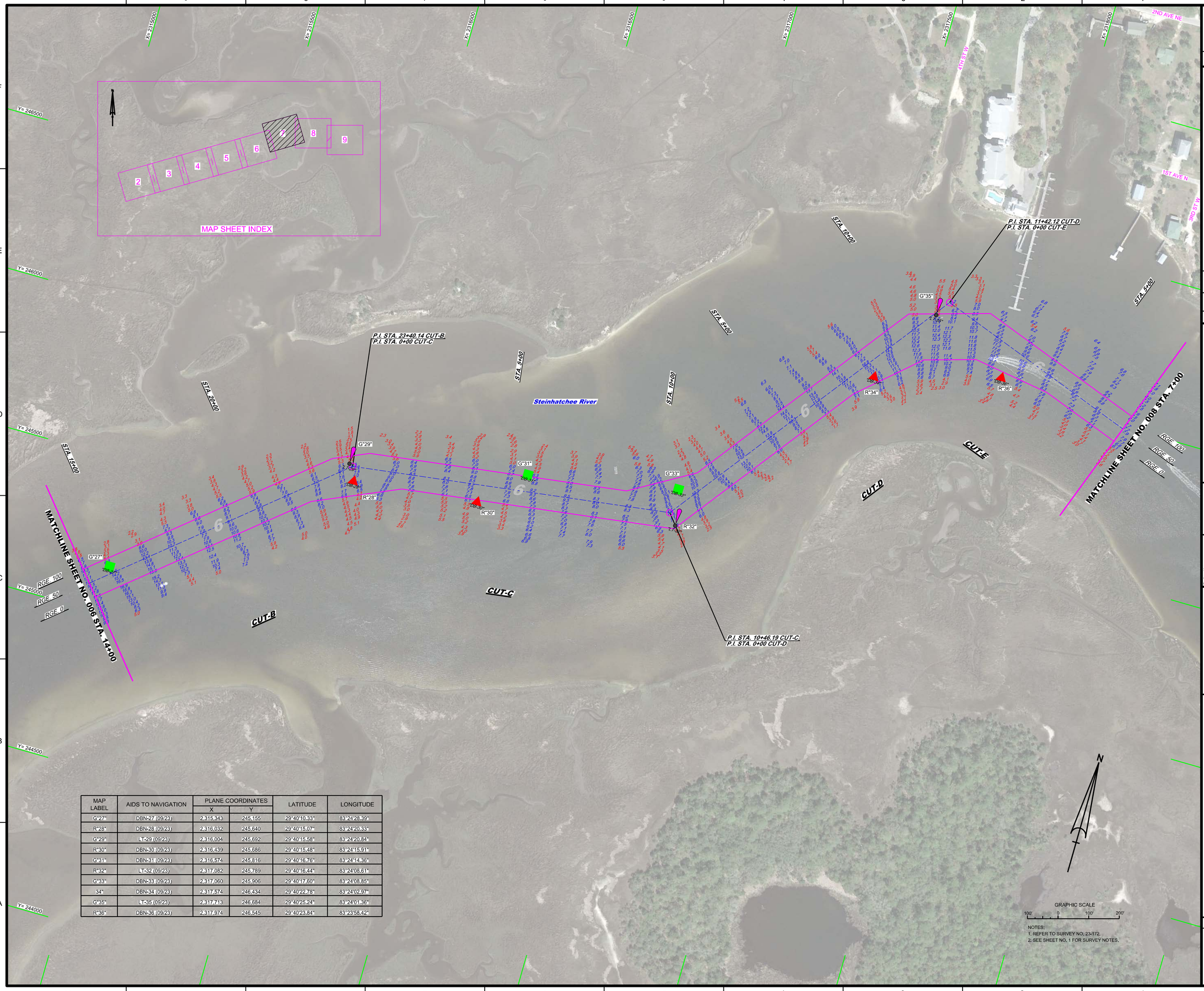
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"27"	DBN-27 (09/23)	2,315,343	245,155	29°40'10.33"	83°24'28.39"
R"28"	DBN-28 (09/23)	2,316,032	245,640	29°40'15.07"	83°24'20.33"
G"29"	LT-29 (09/23)	2,316,004	245,692	29°40'15.58"	83°24'20.84"
R"30"	DBN-30 (09/23)	2,316,439	245,686	29°40'15.48"	83°24'15.91"
G"31"	DBN-31 (09/23)	2,316,574	245,816	29°40'16.76"	83°24'14.36"
R"32"	LT-32 (09/23)	2,317,082	245,789	29°40'16.44"	83°24'08.61"
G"33"	DBN-33 (09/23)	2,317,060	245,906	29°40'17.60"	83°24'08.85"
34"	DBN-34 (09/23)	2,317,574	246,434	29°40'22.78"	83°24'02.97"
G"35"	LT-35 (09/23)	2,317,713	246,684	29°40'25.24"	83°24'01.36"
R"36"	DBN-36 (09/23)	2,317,974	246,545	29°40'23.84"	83°23'58.42"

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Cad by: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: SEP 2023

23-172-NAV.DGN
23-172-VSUM_ALCUTS.DGN
V-C1HAN-STEINHATCHEE_RIVER-NAD83(90).DGN
23-172-CESHORD.DGN
Reference files:
23-172-VH-007.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 14+00 CUT-B THRU STA. 7+00 CUT-E

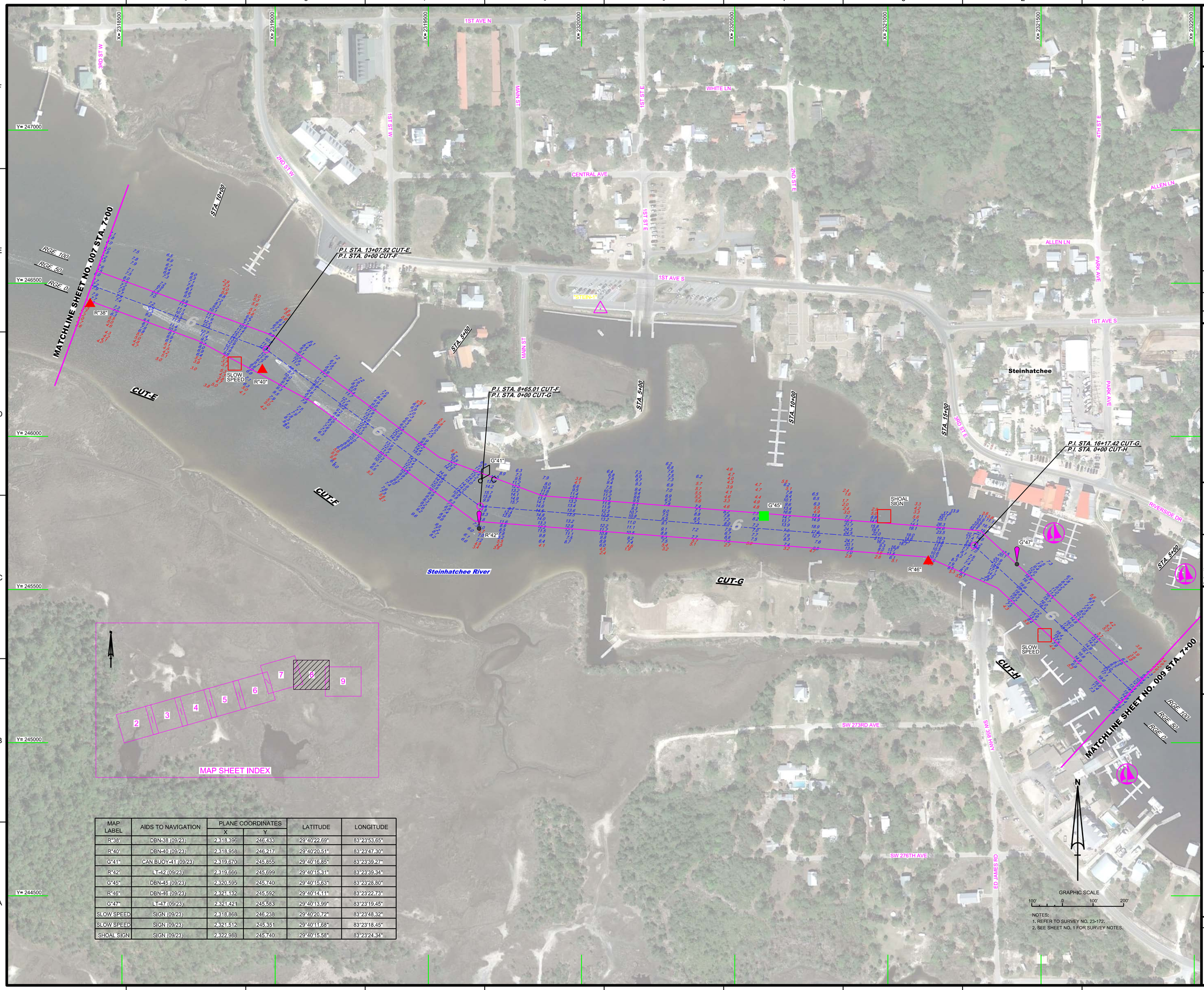
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
R"38"	DBN-38 (09/23)	2,318,396	246,433	29°40'22.69"	83°23'53.65"
R"40"	DBN-40 (09/23)	2,318,958	246,217	29°40'20.51"	83°23'47.30"
G"41"	CAN BUOY-41 (09/23)	2,319,670	245,855	29°40'16.85"	83°23'39.27"
R"42"	LT-42 (09/23)	2,319,666	245,699	29°40'15.31"	83°23'39.34"
G"45"	DBN-45 (09/23)	2,320,595	245,740	29°40'15.63"	83°23'28.80"
R"46"	DBN-46 (09/23)	2,321,132	245,592	29°40'14.11"	83°23'22.73"
G"47"	LT-47 (09/23)	2,321,421	245,583	29°40'13.99"	83°23'19.45"
SLOW SPEED	SIGN (09/23)	2,318,868	246,238	29°40'20.72"	83°23'48.32"
SLOW SPEED	SIGN (09/23)	2,321,512	245,351	29°40'11.68"	83°23'18.45"
SHOAL SIGN	SIGN (09/23)	2,322,988	245,740	29°40'15.58"	83°23'24.34"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Cad by: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: SEP 2023

23-172-NAV.DGN
23-172A-SOUN_ALLCUTS.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(90).DGN
23-172-CBS-BKDR.DGN
Reference files:
23-172-VHD08.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT

STA. 7+00 CUT-E THRU STA. 7+00 CUT-H1

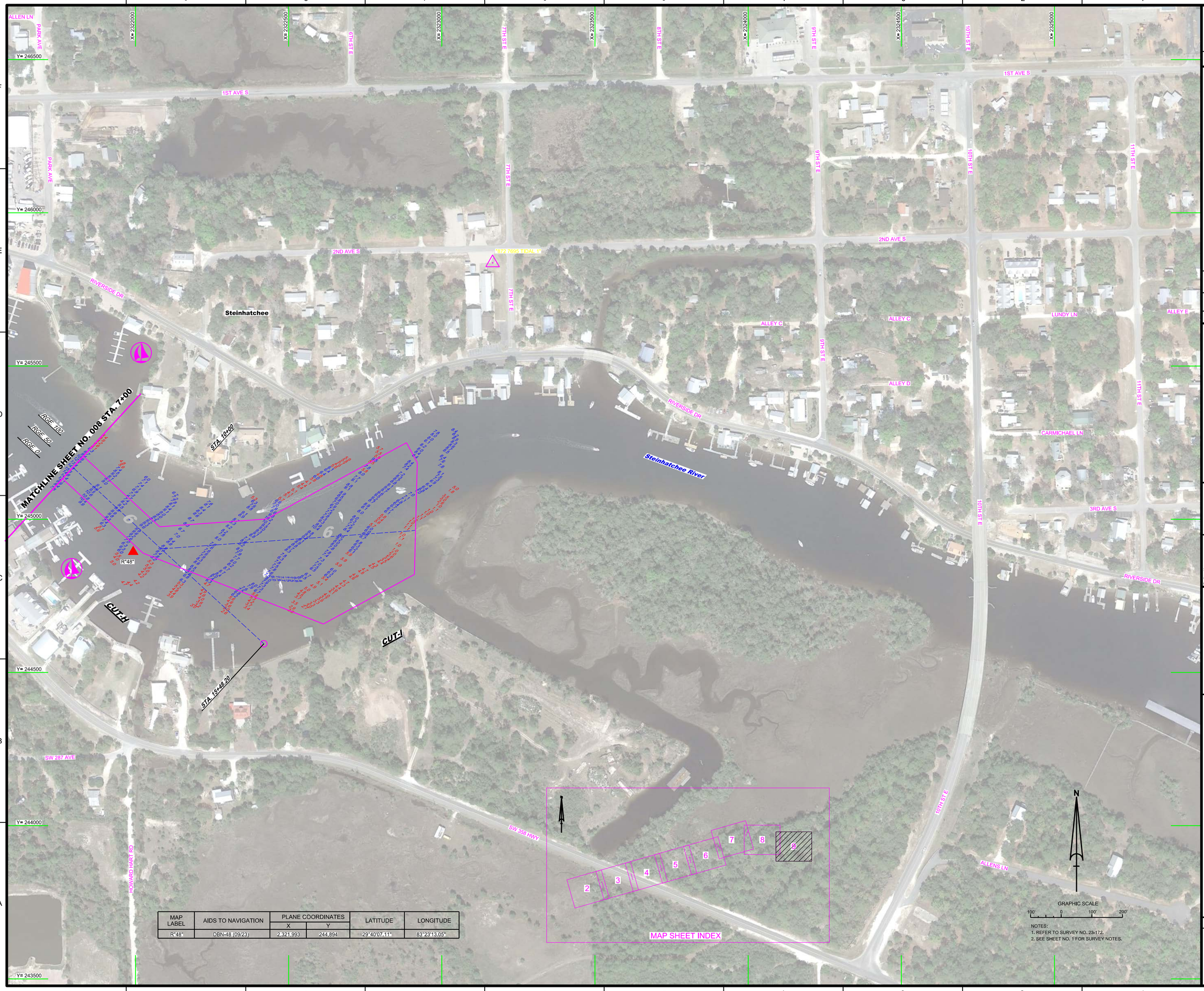
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 09



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"48"	DBN-48 (09/23)	2,321,993	244,894	29°40'07.11"	83°23'13.05"

NOTES:
1. REFER TO SURVEY NO. 23-172.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
DWN by: VIRM
Cad by: CMR
Rev. No.
Date: SEP 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-172-VSOUN_ALCUTS.DGN
V-CHAN-STEINHATCHEE_RIVER-NAD83(90).DGN
23-172-x-SB-BRDR.DGN
Reference files:
23-172-VH009.DGN
File name:

STEINHATCHEE RIVER
TAYLOR COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
6-FOOT PROJECT
STA. 7+00 CUT-H1 THRU CUT-I
PLAN

Scale: AS SHOWN

Drawing no.
9

SHEET 09 OF 09